

1 **DIGITAL SIGNATURE VERIFICATION AND PROGRAM TRANSMISSION**

2 **ABSTRACT**

3 The invention includes a proxy server that constitutes means
4 for providing, verifying and logging a digital signature for
5 a message that is to be exchanged via a network, so that a
6 security function for a digital signature can be implemented
7 without changing an application program. In an example
8 embodiment, a digital signature system comprises:
9 applications for performing data processing; and a
10 signature server connected to the applications via a LAN,
11 wherein the signature server intercepts the message
12 communication from the application to a destination device
13 outside the LAN, provides a digital signature for a message
14 document to be exchanged through communication, and
15 transmits the obtained message document to the destination
16 device.

17 [Selected Drawing] Fig. 1